



## SHOE SUSPENSION SYSTEM

### Cross-Reference To Related Applications

5 This application is a continuation of non-  
provisional application no. 10/717,915 <sup>now abandoned,</sup> of prior U.S.  
provisional application nos. 60/427,959, filed November 21,  
2002, and 60/491,260, filed July 31, 2003. The entire  
contents of all the above applications are hereby  
incorporated by reference.

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### BACKGROUND OF THE INVENTION

#### Technical Field

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The present invention relates to the general art of  
boots and shoes, and to the particular field of impact  
absorbing and energy return mechanisms associated with boots  
and shoes.

#### Prior Art

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It has long been known, that when people walk, jog,  
or run, a significant percentage of their forward kinetic  
energy is wasted and lost. This loss results in shock which  
is caused by a person's foot impacting with the ground. How  
to store and release this energy loss is the overall problem.  
Existing devices involve an assemblage of different types of  
springs adhered to the base of a shoe. Generally, the higher  
the assemblage elevates a user's foot above the ground, the